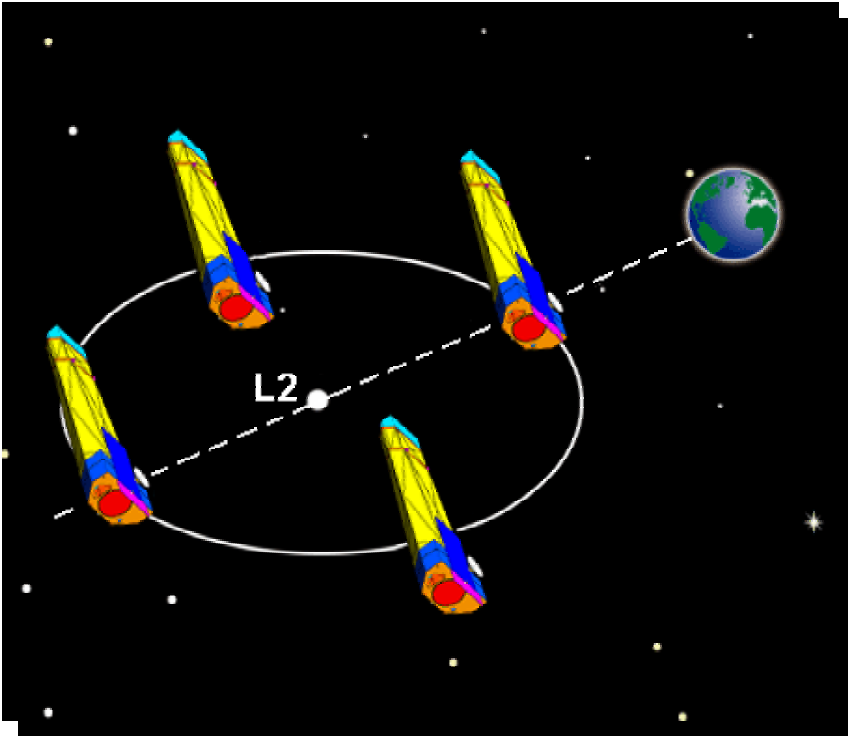




# Constellation-X Mission Concept



- **A multiple satellite approach:**
  - A constellation of multiple identical satellites
  - Each satellite carries a portion of the total effective area
  - Design reduces risk from any unexpected failure
- **Deep space (L2) orbit allows:**
  - High observing efficiency
  - Simultaneous viewing
- **Reference configuration:**
  - Four satellites, launched two at a time on Atlas V class vehicle
  - Fixed optical bench provides a focal length of 10 m
  - Modular design allows:
    - > Parallel development and integration of telescope module and spacecraft bus
    - > Low cost standard bus architecture and components